(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 6 November 2003 (06.11.2003)

PCT

(10) International Publication Number-WO 03/091139 A1

(51) International Patent Classification7:

B65H 37/04

(21) International Application Number: PCT/US03/09263

(22) International Filing Date: 27 March 2003 (27.03.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2002-123403

25 April 2002 (25.04.2002) JP

- (71) Applicant (for all designated States except US): 3M IN-NOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): FUJINO, Takayoshi, [JP/JP]; 6-2-5-101, Seishin, Sagamihara, Kanagawa 229-1116 (JP).
- (74) Agents: KNECHT, Harold C., III, et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

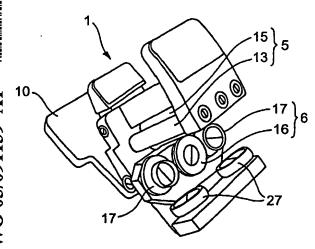
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADHESIVE TAPE APPLICATION TOOL



(57) Abstract: An adhesive tape application tool (1) usable for applying an adhesive tape to a door sash frame (80) of a vehicle, for example, quickly without causing bubbles incorporated or without deviation of tape applying positions even if the door sash has a form of a curve with a small radius or curves steeply with a corner. The adhesive tape application tool includes: an application part (5) for pressing an adhesive tape against an application surface (54), and a guidance part (6) having three guide rollers (16, 17) having a tapered shape portion and being in contact with the projected line portion in such a manner that the guide rollers pinch the adherend together with the application part. The guidance part is provided with guide rollers having a tapered shape portion positioned at both ends being installed with their top directed in one direction, and the central guide roller having a tapered shape portion being installed with its top directed in other direction (opposite to the aforementioned direction),

WO 03/091139 A1